openreach

# SIN 368

**Issue 1.6**

January 2025

## Suppliers' Information Note

*For The Openreach Network*

# Index of Protocol Implementation Conformance Statements (PICS) for ISDN 2e and ISDN 30e Customer Interfaces & Withdrawal Notification

## TECHNICAL INFORMATION FOR SUPPLIERS

Each SIN is the copyright of British Telecommunications plc. Reproduction of the SIN is permitted only in its entirety, to disseminate information on the Openreach Network within your organisation. You must not edit or amend any SIN or reproduce extracts. You must not remove Openreach trademarks, notices, headings or copyright markings.

This document does not form a part of any contract with Openreach customers or suppliers.

Users of this document should not rely solely on the information in this document but should carry out their own tests to satisfy themselves that terminal equipment will work with the Openreach network.

Openreach reserves the right to amend or replace any or all of the information in this document.

Openreach shall have no liability in contract, tort or otherwise for any loss or damage, however arising from use of, or reliance upon, the information in this document by any person.

Due to technological limitations a very small percentage of customer interfaces may not comply with some of the individual characteristics which may be defined in this document.

Publication of this Suppliers' Information Note does not give or imply any licence to any intellectual property rights belonging to British Telecommunications plc or others. It is your sole responsibility to obtain any licences, permissions or consents which may be necessary if you choose to act on the information supplied in the SIN.

Those services marked ® indicates it is a registered trademark of British Telecommunications plc.

Those services marked ™ indicates it is a trademark of British Telecommunications plc.

This SIN is available in Portable Document Format (pdf) from:
https://www.openreach.co.uk/orpg/home/helpandsupport/sins/sins.do

Enquiries relating to this document should be directed to: SIN Helpline: orsinsfa@openreach.co.uk



Openreach Confidential
Openreach logo are trademarks of British Telecommunications plc. © British Telecommunications plc 2025. Openreach Limited, Registered office: 6 Gracechurch Street, London EC3V 0AT.Registered in England and Wales no. 10690039

## 1. Introduction

As stated in SIN 261, the Openreach ISDN 2e and ISDN 30e services are implemented in conformance with the relevant ETSI standards. The ETSI standards for the ISDN user-network interface include PICS (Protocol Implementation Conformance Statements). PICS are a formal method of defining an implementation against a given standard. Together with SIN 261, these PICS are published to enable Terminal Equipment providers to design equipment suitable for use to Openreach ISDN 2e and ISDN 30e services. This document presents an Index for the PICS documentation for the user-network interfaces to the Openreach ISDN 2e and ISDN 30e services.

There are currently three SINs in the series: -

1 This present SIN Index
2 ISDN 2e & ISDN 30e Basic Call Control & Basic Services - SIN 369
3 ISDN 2e and ISDN 30e Digital Calling Features - SIN 370

Note: SIN 369 and SIN 370 are comprised of a number of Parts containing the PICS.

Openreach will withdraw the ISDN2e and ISDN30e services by end of January 2027 in line with the closure of the BT UK PSTN.

## 2. SIN Index to ISDN PICS

The following SINs containing the Protocol Implementation Conformance Statements (PICS) for the Openreach ISDN 2e and ISDN 30e user-network interfaces are currently available.

Note: These documents should be read in conjunction with SIN 261 which provides a detailed technical description of the Openreach ISDN 2e and ISDN 30e services.

| PICS | ISDN2e | ISDN30e | Standard | SIN No. |
|---|---|---|---|---|
| **BASIC CALL CONTROL & BASIC SERVICES** | | | | SIN369-A |
| Basic Access - Layer 1 | ✓ | | ETS 300 012 | SIN369-B |
| Primary Rate Access - Layer 1 | | ✓ | ETS 300 011 | SIN369-C |
| Basic Access - Layer 2 | ✓ | | ETS 300 402 | SIN369-D |
| Primary Rate Access - Layer 2 | | ✓ | ETS 300 402 | SIN369-E |
| Basic Access - Layer 3 - S/T Reference point Point-to-multipoint configuration | ✓ | | ETS 300 403 | SIN369-F |
| Basic Access - Layer 3 - T Reference point Point-to-point configuration | ✓ | | ETS 300 403 | SIN369-G |
| Primary Rate Access - Layer 3 - T Reference point | | ✓ | ETS 300 403 | SIN369-H |
| Telephony 7 kHz and Videotelephony Teleservices | ✓ | ✓ | ETS 300 267 | Note 1 |
| **DIGITAL SELECT SERVICES** | | | | **SIN370-A** |
| Call Diversion Services (CD, CFB, CFNR, CFU) | ✓ | ✓ | ETS 300 207 | **SIN370-B** |
| Call Waiting | ✓ | | ETS 300 058 | **SIN370-C** |
| Calling Line Identification Presentation (CLIP) | ✓ | ✓ | ETS 300 092 | **SIN370-D** |
| Calling Line Identification Restriction (CLIR) | ✓ | ✓ | ETS 300 093 | **SIN370-E** |
| Connected Line Identification Presentation (COLP) | ✓ | ✓ | ETS 300 097 | **SIN370-F** |
| Connected Line Identification Restriction (COLR) | ✓ | ✓ | ETS 300 098 | **SIN370-G** |
| Direct Dialling In (DDI) | ✓ | ✓ | ETS 300 064 | **SIN370-H** |
| Call Hold (HOLD) | ✓ | | ETS 300 141 | **SIN370-I** |
| Incoming Call Barring (ICB-F) - Network Controlled | ✓ | ✓ | No DSS1 protocol required | |
| Malicious Call Identification (MCID) | ✓ | ✓ | ETS 300 130 | **SIN370-J** |
| Multiple Subscriber Number (MSN) | ✓ | | ETS 300 052 | **SIN370-K** |

| | | | | |
|---|---|---|---|---|
| Outgoing Call Barring (OCB-F) - Network Controlled | ✓ | ✓ | No DSS1 protocol required | |
| Presentation Number (PN) | ✓ | ✓ | DSS1 protocol is as for CLIP and COLP | |
| Subaddressing (SUB) | ✓ | ✓ | ETS 300 061 | **SIN370-L** |
| Terminal Portability (TP) | ✓ | | ETS 300 055 | **SIN370-M** |
| Trunk/Line Hunting | ✓ | ✓ | No DSS1 protocol required | |

Note 1 As announced in SIN 261, Issue 5 (June 2001), from September 2001, the Openreach network ceased to support the fallback procedure defined in the ETSI standard ETS 300 267 for telephony 7 kHz and videotelephony (see SIN 261, Clause C.19 for further information). As a consequence, the PICS for telephony 7 kHz and videotelephony previously published in SIN 369, Part I has been withdrawn.

## 3. Glossary

CD - Call Deflection
CFB - Call Forwarding on Busy
CFNR - Call Forwarding on No reply
CFU - Call Forwarding Unconditional
CLIP - Calling Line Identification Presentation
CLIR - Calling Line Identification Restriction
COLP - Connected Line Identification Presentation
COLR - Connected Line Identification Restriction
CW - Call Waiting
DDI - Direct Dialling In
DSS1 - Digital Subscriber Signalling System No. one
ETSI - European Telecommunications Standards Institute
ICB-F - Incoming Call Barring - Network controlled
ISDN - Integrated Services Digital Network
MCID - Malicious Call Identification
MSN - Multiple Subscriber Number
OCB-F - Outgoing Call Barring - Network controlled
PICS - Protocol Implementation Conformance Statement
PN - Presentation Number
SUB - Subaddressing
TP - Terminal Portability

## 4. History

| | | |
|---|---|---|
| Issue 1 | November 2000 | First Issue |
| Issue 1.1 | July 2002 | Editorial update to take account of up-issue of SIN 369 Parts G and H to Issue 1.1 and the withdrawal of SIN 369, Part I (to align with changes to telephony 7 kHz and videotelephony services announced in SIN 261.) |
| Issue 1.2 | November 2006 | Editorial change to take account of SIN 369 Parts B, D & E all being updated to Issue 1.1. |
| Issue 1.3 | July 2014 | Change SINet site references from http://www.sinet.bt.com to http://www.btplc.com/sinet/ |
| Issue 1.4 | July 2017 | Editorial update in Section 1 to refer to Digital Calling Features as opposed to Digital Select Services. |

| | | |
|---|---|---|
| Issue 1.5 | September 2020 | Changes to branding, from BT to Openreach including changes to reflect new Openreach SIN site and Openreach SIN email address |
| Issue 1.5 | September 2021 | Annual Review – no changes required – issue remains unchanged. |
| Issue 1.5 | October 2022 | Annual Review – branding and font changes only – issue remains unchanged. |
| Issue 1.5 | October 2023 | Annual Review – branding and font changes only – issue remains unchanged. |
| Issue 1.6 | January 2025 | Withdrawal notification added to Section 1 for ISDN2e and ISDN30e services. |

End